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(54) Title: PIPERAZINO SENSITISERS

$$A - \begin{bmatrix} & & & \\ & & & \\ & & & \\ & & & \end{bmatrix} N - R^1 - N \begin{bmatrix} & & & \\ & & & \\ & & & \\ & & & \end{bmatrix} N - Z - Y - Q - Y - Z \begin{bmatrix} & & & \\ & & & \\ & & & \\ & & & \end{bmatrix} B \quad (I)$$

$$\begin{array}{c|c}
O & R^2 \\
C=O \\
\end{array}$$
(III)

(57) Abstract: Compounds of formula (I) [in which: A and B are terminal groups; R^1 represents a group of formula (II) or (III); R^2 is alkyl or aryl; Z is a group -(CHR³)_n, where R^3 is hydrogen, hydroxy or alkyl, and n is a number from 0 to 6; Y is carbonyl or a group -CH₂-; Q represents a residue of a dihydroxy compound; and x is a number from 1 to 100] are useful sensitisers for use with Type II photoinitiators in the formulation of printing inks and other energy curable coatings.

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